

Generation of Mab to IFN α

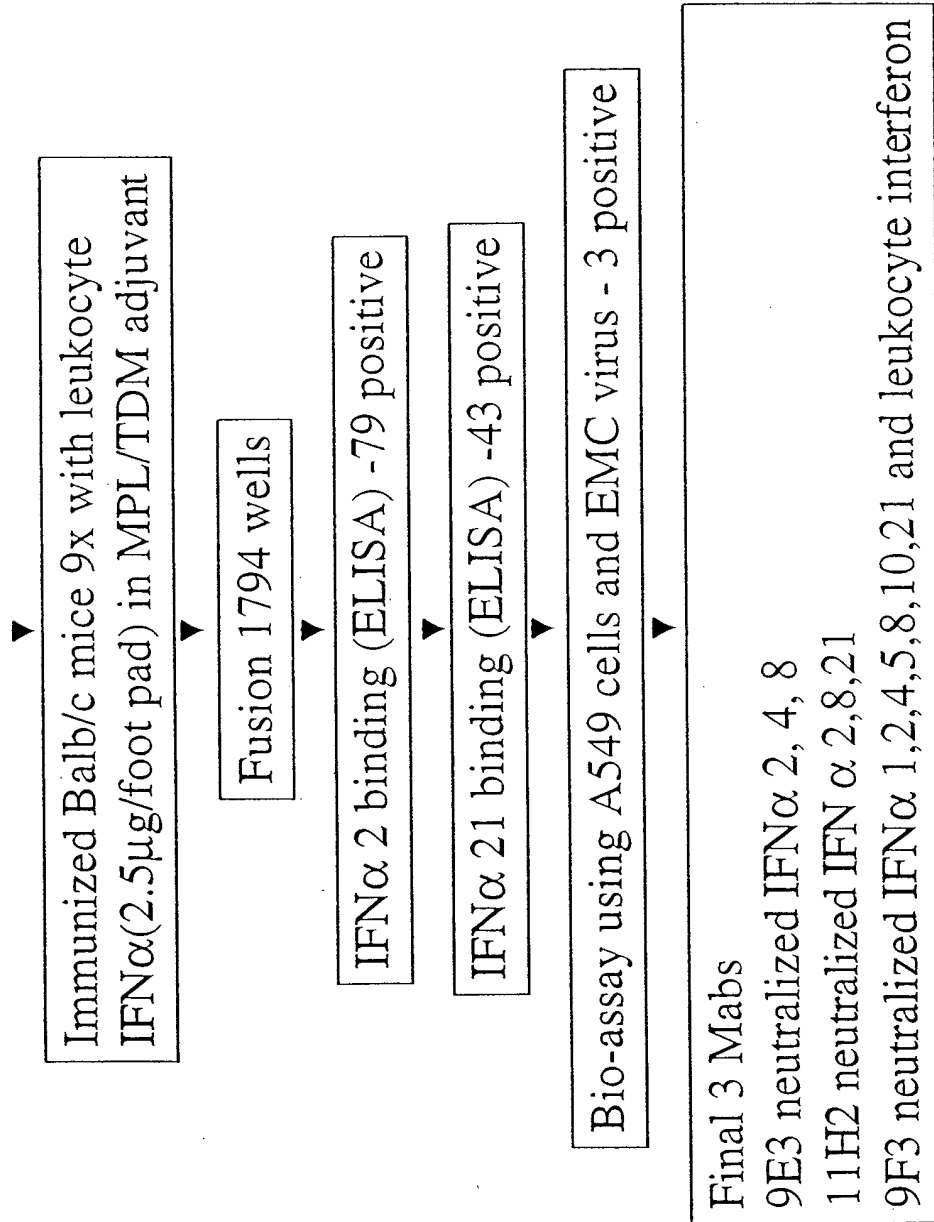


FIGURE 1

Neutralization of IFN-alpha activities by mAb 9F3

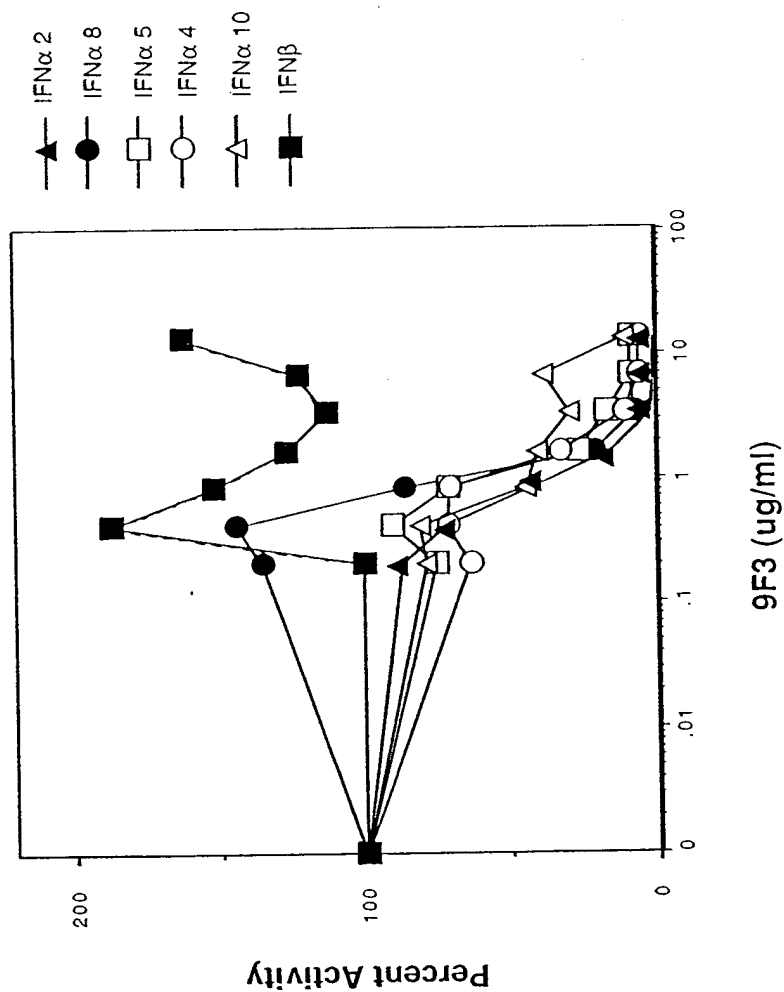


FIGURE 2

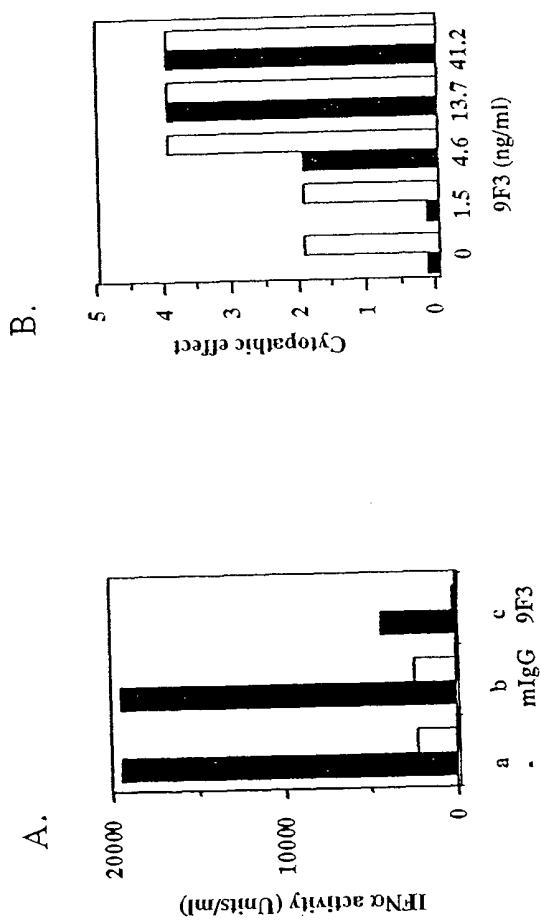


FIGURE 3

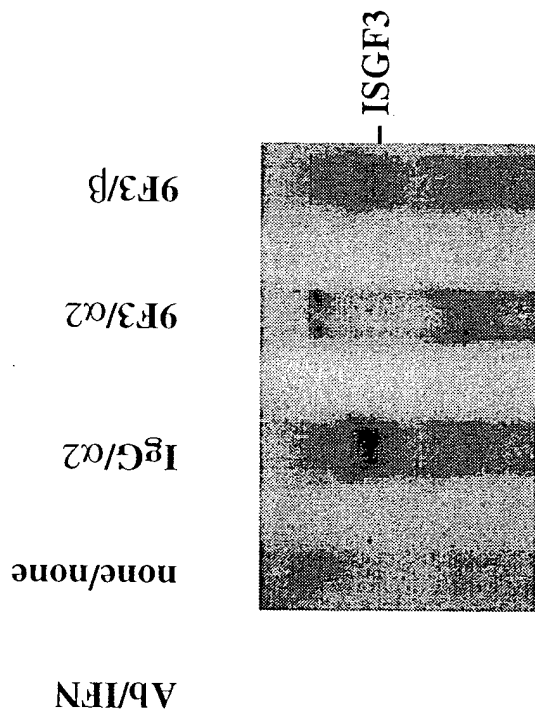


FIGURE 4

Figure 5A

Variable Light Domain

	1	10	20	30	abcd	40
murine	DIVLTQSPASLAVSLGQRATISCRASQSVSTSSYSYMHWYQQKPGQPPKVLIS					
	** * ** * * * *					
V13	DIQMTQSPSSLSASVGDRVTITCRASQSVSTSSYSYMHWYQQKPGKAPKVLIS					
	* * * * *					
hukI	DIQMTQSPSSLSASVGDRVTITCRASQSI SN - - - YLAWYQQKPGKAPKLLIY					

	50	60	70	80	90	
murine	YASNLESGVPARFSGSGSGTDFTLNHPVEEGDTATYFCQHSWGIPRTF					
	* * * * *					
V13	YASNLESGVPSRFSGSGSGTDFTLTISLQPEDFATYYCQHSWGIPRTF					
	* * * * *					
hukI	AASSLESGVPSRFSGSGSGTDFTLTISLQPEDFATYYCQQYNSLPWTF					

	100					
murine	GAGTKLELRRAV					
	* * * *					
V13	GQGTKVEIKRTV					
hukI	GQGTKVEIKRTV					

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Figure 5B

Variable Heavy Domain

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      1      10      20      30      40
murine EVQLQQSGPELVKPGASVKISCKTSGYTFTEYIIHWVKQGHGRSLEWIG
      **  **  *  *  ***  *                      *  **  **  **
V13    EVQLVESGGGLVQPGGSLRLSCATSGYTFTEYIIHWVRQAPGKGLEWVA
                      *  *  **  ***
huIII  EVQLVESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWVA
                      -----

      50  a      60      70      80  abc      90
murine SINPDYDITNYNQRFK GKATLTLDKSSRTAYLELRSLTSEDSAVYYCAS
                      **  **      *      ***  **  *
V13    SINPDYDITNYNQRFKGRFTISLDKSKRTAYLQMNSLRAEDTAVYYCAS
      *  **  ***  *  *****      *  *  *  *
huIII  VISGDGGSTYYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTAVYYCAR
      -----

      100
murine WISDFFDYWGQGTTLMVSAAS
                      ***  *
V13    WISDFFDYWGQGLVTVSSAS
      *****
huIII  GRVGYDYWGQGLVTVSSAS
      -----
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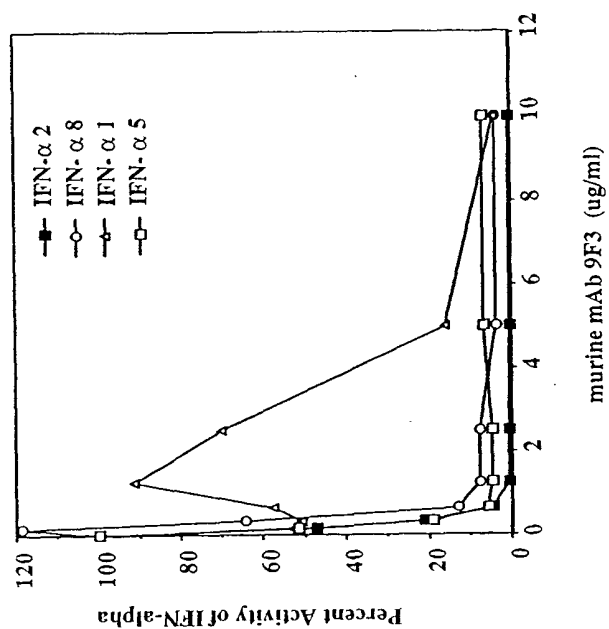
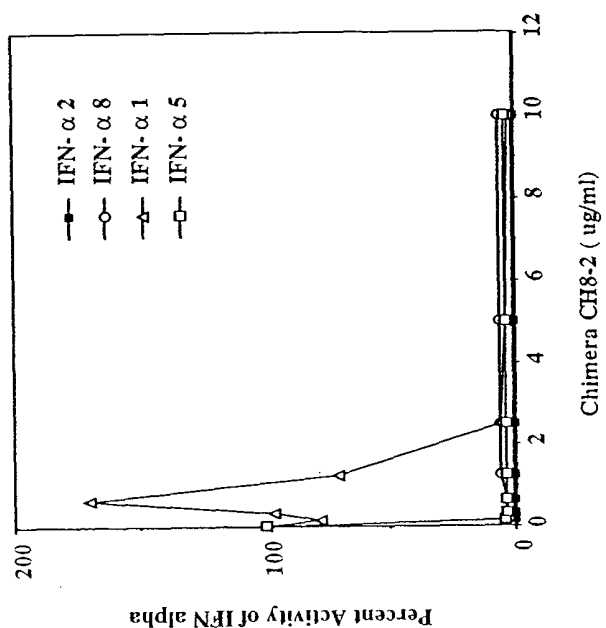


FIGURE 6

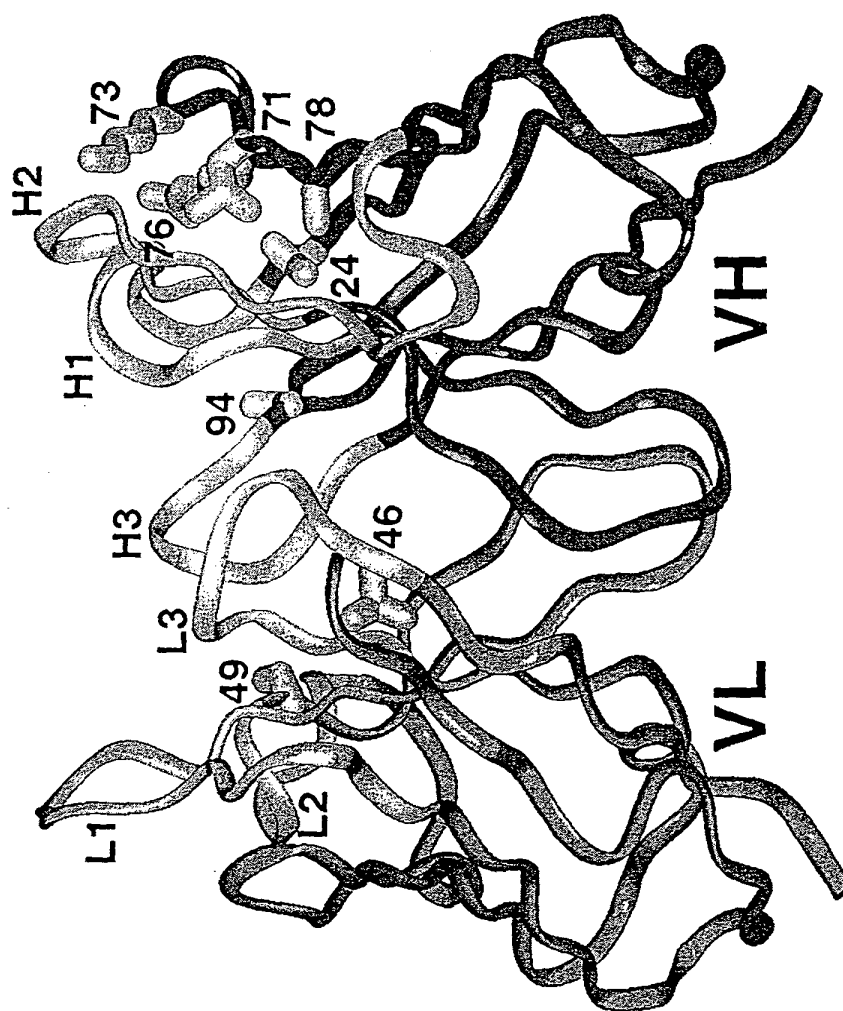


FIGURE 7